

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2004/000040

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷ C07C33/46 C07C29/147 C07C65/01

According to International Patent Classification (IPC) or to both national classification and IPC.

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ, CNPAT, CA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	CN1458137A (Tianjin University) 26. Nov. 2003 (2003-11-26) See the whole documents	1-4,6-8,17,20
X	US4385070A (Philip D. Bently et al.) 24. May 1983 (1983-05-24) Column 5 Line 3-12, Column 1 Line 53-54	22-23
A	CN1380275A (Bayer Co.) 20. Nov. 2002 (2002-11-20) See the whole documents	1-23
A	GB2127013A (Imperial Chemical Industries PLC) 04.Apr. 1984 (1984-04-04) See the whole documents	1-23
A	US4590308A(Alan E. Costello et al) 20. May 1986(1986-05-20) See the whole documents	1-23

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
22.07.2004

Date of mailing of the international search report
26 AUG 2004 (26.08.2004)

Name and mailing address of the ISA/CN
6 Xitucheng Rd., Jimen Bridge, Haidian District,
100088 Beijing, China
Facsimile No. 86-10-62019451

Authorized officer
Ren xiaolan
Telephone No. 86-10-62085598

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No. PCT/CN2004/000040
--

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN1458137A	26.11.2003	None	
US4385070A	24.05.1983	AU5492380A	21.08.1980
		JP55111445A	28.08.1980
		JP63037776B	27.07.1988
		JP1492372C	20.04.1989
		EP0016513A	01.10.1980
		BR8000844A	21.10.1980
		GB2046732A	19.11.1980
		ZA8000406A	28.01.1981
		EP0032121A	15.07.1981
		ES8107149A	16.12.1981
		NZ192733	30.03.1982
		DE3060562D	12.08.1982
		DE3067871D	20.06.1984
		AU3134984A	15.11.1984
		US4486355A	04.12.1984
		AU541944B	31.01.1985
		AU561939B	21.05.1987
		JP63233935A	29.09.1988
		JP1040017B	24.08.1989
		JP1557359C	16.05.1990
CN1380275A	20.11.2002	EP1247792A	09.10.2002
		DE10117206A	10.10.2002
		US2002156330A	24.10.2002
		JP2002332251A	22.11.2002
GB2127013A	04.04.1984	None	
US4590308A	20.05.1986	AU3774385A	15.08.1985
		EP0152174A	21.08.1985
		GB2153819A	29.08.1985
		JP60184035A	19.09.1985
		JP4053853B	27.08.1992
		HU39695A	29.10.1986
		NZ210864A	31.08.1987
		AU568903B	14.01.1988
		HU198664B	28.11.1989
		CA1269400A	22.05.1990
		AT73751T	15.04.1992
		DE3585632D	23.04.1992